

STEREO MOC Status Report
Time Period: 2011:052 - 2011:058

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 053, before BOT for the DSS 25 support, the antenna was declared red as it was unable to be moved for the complete track. To avoid science data loss, the SSR pointers were repositioned during the next track at 053-1745z. This resulted in the PLASTIC partition overwriting beginning at 055-1652z through 1818z. See DR# G111109 for more information.
- On day 054, during the DSS 25 support, turbo decoder lock was lost from 1351-1354z due to the station locking the downlink to a side lobe. To avoid data loss, the SSR pointers were moved to the beginning of track position after the telemetry outage. See DR# G111113 for more information.
- On day 057, at BOT for the DSS 25 support, could not lock to the downlink for the complete track due to heavy snow. To minimize science data loss, the SSR pointers were repositioned during the next track at 058-1315z. See DR# G111129 for more information.
- On day 058, during the DSS 25 support, the DCD anomaly initiated several DCD failovers to the redundant side at 1534z through 1615z. These anomalies resulted in the loss of 41 minutes real-time telemetry. See DR# N107174 and G111025 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 055, during the DSS 43 support, MOPS disabled the playback of the SECCHI SSR2, special event partition #20, at 1928z.
- The average daily SSR playback volume for Ahead was 5.0 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 052, during the DSS 65 support, turbo decoder lost lock intermittently from 1929z throughout the track due to rain. This resulted in the loss of approximately one hour SSR data for all instruments. See DR# M106171 for more information.
- On day 054, during the DSS 65 support, the antenna brakes were applied several times from 1703 -1721z. To avoid data loss, the SSR pointers were moved to the beginning of track position after the telemetry outage. See DR# M106174 for more information.
- On day 057, during the DSS 55 support, real-time telemetry was lost for 25 minutes beginning at 1801z due to a failed monitor data server. This resulted in the loss of approximately 25 minutes of real-time telemetry. All SSR data was recovered. See DR# M106187 for more information.
- On day 058, during the DSS 65 support, the DCD anomaly initiated several DCD failovers to the redundant side at 1534z through 1615z. These anomalies resulted in the loss of 41 minutes real-time telemetry. See DR# N107175 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 055, during the DSS 65 support, MOPS disabled the playback of the SECCHI SSR2, special event partition #20, at 1812z.
- The average daily SSR playback volume for Behind was 4.2 Gbits during this week.